

IN THE CLAIMS

Claims 21, 25 to 31, 33 and 39 to 41 have been amended. New claim 42 has been added. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 20 (cancelled).

Claim 21 (currently amended): A gas turbine, comprising:

 a core engine including a high pressure compressor and a shaft connected thereto for driving said high pressure compressor;

 an electrical power generator connected to the shaft generating electrical power from the shaft, the electrical power generator further including an air turbine receiving compressed air drawn from the high pressure compressor to generate electrical power, the electrical power generator including a first generator ~~connected~~ and a first coupling apparatus, the first coupling apparatus coupling the first generator to the shaft[[,]] so that the first generator is capable of generating electrical power from the mechanical shaft power drawn from the core engine via the shaft, the electrical power generator further including a second generator ~~connected to an air turbine, the air turbine generating mechanical power from the compressed air, and a second coupling apparatus coupled to the second generator, the second coupling apparatus being arranged and configured such that the second coupling apparatus is capable of removably coupling the second generator to the air turbine in a first operating state and is capable of removably coupling the second generator to the shaft in a second operating state so that the second generator is capable of generating electrical power from the mechanical power generated by the air turbine or alternatively the mechanical shaft power drawn from the core engine via the shaft, the second generator capable of generating electrical power from mechanical power generated by the air turbine as the first generator generates electrical power from the mechanical shaft power drawn from the core engine via the shaft~~ the first coupling apparatus being arranged and configured such that the first coupling apparatus is capable of coupling the first generator to the shaft when the second generator is coupled to the air turbine via the second coupling apparatus.

Claims 22 to 24 (canceled).

Claim 25 (currently amended): The gas turbine as recited in Claim 21, wherein the second operating state is a high load range of the core engine and the electrical power generator generates electrical power in [[a]] the high load range of the core engine exclusively from mechanical shaft power drawn from the core engine via the shaft.

Claim 26 (currently amended): The gas turbine as recited in Claim 21, wherein the first operating state is a lower load range of the core engine and the electrical power generator generates electrical power in [[a]] the lower load range of the core engine from the mechanical shaft power drawn from the core engine via the shaft and from pneumatic energy contained in the compressed air.

Claim 27 (currently amended): The gas turbine as recited in Claim 21, further comprising a controller, wherein the controller, as a function of the load range of the core engine, ~~automatically connects or disconnects the electrical power generator from the compressed air~~ controls the second coupling apparatus such that the second coupling apparatus couples and uncouples the second generator from the air turbine.

Claim 28 (currently amended): The gas turbine as recited in Claim 21, wherein the first coupling apparatus includes a first gear and the first generator is connected to the shaft via [[a]] the first gear.

Claim 29 (currently amended): The gas turbine as recited in Claim 28, wherein the second coupling apparatus includes a second gear and the second generator is connected to an the air turbine via [[a]] the second gear.

Claim 30 (currently amended): The gas turbine as recited in Claim 29 ~~further comprising~~ wherein the second coupling apparatus further includes a freewheel assigned to the second gear which cooperates with the air turbine.

Claim 31 (currently amended): The gas turbine as recited in Claim 30, wherein the second coupling apparatus further includes a controllable clutch and the first and second generators are connectable to one another via [[a]] the controllable clutch in the second operating state, the second operating state being an upper load range of the core engine, the first and second generators being driven in ~~an~~ the upper load range of the core engine exclusively by the shaft.

Claim 32 (previously presented): The gas turbine as recited in Claim 31, wherein the first and second gears are connected to one another via the controllable clutch and the freewheel decouples the air turbine.

Claim 33 (currently amended): The gas turbine as recited in Claim 31 wherein the first operating state is a lower load range of the core engine and the first and second generators are decoupled in [[a]] the lower load range of the core engine, the first generator being driven exclusively by the shaft and the second generator being driven exclusively by the air turbine.

Claim 34 (previously presented): The gas turbine as recited in Claim 33, wherein the controllable clutch decouples the first and second generators by decoupling the first and second gears from one another, and the freewheel couples the air turbine with the second generator via the second gear.

Claim 35 (previously presented): The gas turbine as recited in Claim 21, wherein the electrical power generator is connected to the shaft via a gear, the electrical power generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft.

Claims 36 to 38 (canceled).

Claim 39 (currently amended): The gas turbine as recited in Claim 21 wherein the sfirst operating state is a lower load range of the core engine and the first and second generators are decoupled in [[a]] the lower load range of the core engine, the first generator being driven exclusively by the shaft and the second generator being driven exclusively by the air turbine.

Claim 40 (currently amended): A gas turbine, comprising:

a core engine including a high pressure compressor and a shaft connected thereto for driving said high pressure compressor;

an electrical power generator connected to the shaft generating electrical power from the shaft, the electrical power generator further including an air turbine receiving compressed air drawn from the high pressure compressor to generate electrical power, the electrical power generator including a first generator ~~connected~~ and a first coupling apparatus, the first coupling apparatus coupling the first generator to the shaft, the first generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft in a lower load range and a higher load range, the electrical power generator further including a second generator ~~connected to an air turbine, the air turbine generating mechanical power from the compressed air,~~ and a second coupling apparatus coupled to the second generator, the second coupling apparatus being arranged and configured such that the second coupling apparatus is capable of removably coupling the second generator to the air turbine in the lower load range and is capable of removably coupling the second generator to the shaft in the higher load range so that the second generator is capable of generating electrical power from the mechanical power generated by the air turbine in the lower load range and from the mechanical shaft power drawn from the core engine via the shaft in the higher load range.

Claim 41 (currently amended): A gas turbine, comprising:

a core engine including a high pressure compressor and a shaft connected thereto for driving said high pressure compressor;

an electrical power generator connected to the shaft generating electrical power from the shaft, the electrical power generator further including an air turbine receiving compressed air drawn from the high pressure compressor to generate electrical power, the electrical power generator including a first generator ~~connected~~ and a first coupling apparatus, the first coupling apparatus coupling the first generator to the shaft, the first generator generating electrical power from the mechanical shaft power drawn from the core engine via the shaft, the electrical power generator further including a second generator ~~connected to an air turbine, the air turbine generating mechanical power from the compressed air,~~ and a second coupling apparatus coupled

to the second generator, the second coupling apparatus being arranged and configured such that the second coupling apparatus is capable of removably coupling the second generator to the air turbine so that the second generator is capable of generating electrical power from the mechanical power generated by the air turbine; and

a controller, the controller ~~disconnecting and connecting the electrical power generator~~ controlling the second coupling apparatus such that the second coupling apparatus couples and uncouples the second generator from the compressed air air turbine so that an operating characteristic curve of the gas turbine maintains a predetermined surge limit margin.

Claim 42 (new): The gas turbine recited in claim 21 wherein the first coupling apparatus and the second coupling apparatus are arranged and configured such that in the second operating state the second coupling apparatus couples the second generator to the shaft via the first coupling apparatus.